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SEQUENCE LISTING

<110> wimberly, Brian
Ramakrishnan, Venkatraman

<120> Crystal Structure of Ribosomal Protein L11/GTPase Activating Region rRNA and
Uses Thereof

<130> 22620/1132

<140> US 09/998,805

<141> 2001-11-01

<150> US 60/134,171

<151> 1999-05-13

<150> PCT/US0012019

<151> 2000-05-03

<160> 5

<170> PatentIn version 3.1

<210> 1

<211> 142

<212> PRT

<213> Escherichia coli

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Met Ala Asn Pro Ser Pro Pro Val Gly Pro Ala Leu Gly Gln Gln Gly
20 25 30

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Val Asn Ile Met Glu Phe Cys Lys Ala Phe Asn Ala Lys Thr Asp Ser
35 40 45

Ile Glu Lys Gly Leu Pro Ile Pro Val Val Ile Thr Val Thr Ala Asp
50 55 60

Arg Ser Phe Thr Phe Val Ile Lys Thr Pro Pro Ala Ala Val Leu Leu
65 70 75 80

Lys Lys Ala Ala Gly Ile Lys Ser Gly Ser Gly Lys Pro Asn Lys Asp
85 90 95

Lys Val Gly Lys Ile Ser Arg Ala Gln Leu Gln Glu Leu Ala Gln Thr
100 105 110

Lys Ala Ala Asp His Thr Gly Ala Asp Ile Glu Ala Met Thr Arg Ser
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Ile Glu Gly Thr Ala Arg Ser Met Gly Leu Val Val Glu Asp
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<213> Thermotoga maritima

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20 25 30

Val Asn Ile Met Glu Phe Cys Lys Arg Phe Asn Ala Glu Thr Ala Asp
35 40 45

Lys Ala Gly Met Ile Leu Pro Val Val Ile Thr Val Tyr Glu Asp Lys
50 55 60

Ser Phe Thr Phe Ile Ile Lys Thr Pro Pro Ala Ser Phe Leu Leu Lys
65 70 75 80

Lys Ala Ala Gly Ile Glu Lys Gly Ser Ser Glu Pro Lys Arg Lys Ile
Page 2

Val Gly Lys Val Thr Arg Lys Gln Ile Glu Glu Ile Ala Lys Thr Lys
100 105 110

Met Pro Asp Leu Asn Ala Asn Ser Leu Glu Ala Ala Met Lys Ile Ile
115 120 125

Glu Gly Thr Ala Lys Ser Met Gly Ile Glu Val Val Asp
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<211> 139

<212> PRT

<213> Sulfolobus acidocaldarius

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20 25 30

Gln Glu Val Val Lys Lys Ile Asn Asp Val Thr Ala Gln Phe Lys Gly
35 40 45

Met Ser Val Pro Val Thr Ile Lys Ile Asp Ser Ser Thr Lys Lys Tyr
50 55 60

Asp Ile Lys Val Gly Val Pro Thr Thr Thr Ser Leu Leu Leu Lys Ala
65 70 75 80

Ile Asn Ala Gln Glu Pro Ser Gly Asp Pro Ala Lys Lys Lys Ile Gly
85 90 95

Asn Leu Asp Leu Glu Gln Leu Ala Asp Leu Ala Ile Lys Lys Lys Pro
100 105 110

Gln Leu Ser Ala Lys Thr Leu Thr Ala Ala Ile Lys Ser Leu Leu Gly
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Thr Ala Arg Ser Ile Gly Ile Thr Val Glu Gly
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<211> 146

<212> PRT

<213> *Saccharomyces cerevisiae*

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Met Pro Pro Lys Phe Asp Pro Asn Glu Val Lys Tyr Leu Tyr Leu Arg
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20 25 30

Gly Pro Leu Gly Leu Ser Pro Lys Lys Val Gly Glu Asp Ile Ala Lys
35 40 45

Ala Thr Lys Glu Phe Lys Gly Ile Lys Val Thr Val Gln Leu Leu Ile
50 55 60

Gln Met Arg Gln Ala Ala Ala Ser Val Val Pro Ser Ala Ser Ser Leu
65 70 75 80

Val Ile Thr Ala Leu Lys Glu Pro Pro Arg Asp Arg Lys Lys Asp Lys
85 90 95

Asn Val Lys His Ser Gly Asn Ile Gln Leu Asp Glu Ile Ile Glu Ile
100 105 110

Ala Lys Gln Met Arg Asp Lys Ser Phe Gly Arg Thr Leu Ala Ser Val
115 120 125

Thr Lys Thr Ile Leu Gly Thr Ala Gln Ser Val Gly Cys Arg Val Asp
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Phe Lys
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